

TEST REPORT

Applicant: Konec Solutions Pty Ltd
Address: Level 3, 5 Talavera Rd, Macquarie Park NSW 2113
Australia
Equipment Type: Camera Hub G2H Pro
Model Name: CH-C01
Brand Name: Aqara
Test Standard: AS/NZS CISPR 32: 2015+AMD1:2020
Test Date: Feb. 25, 2022 - Mar. 01, 2022
Date of Issue: Mar. 31, 2022

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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(Technical Director)

Xiong Chong

Xia Long

Jim Liao

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Mar. 31, 2022</u>	<u>Initial Issue</u>

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1 Administrative Data (GENERAL INFORMATION)

1.1 Identification of the Testing Laboratory

Company Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park Shahe Xi Road, Nanshan District Shenzhen, Guangdong Province, People's Republic of China
Phone Number	+86 755 6685 0100

1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park Shahe Xi Road, Nanshan District Shenzhen, Guangdong Province, People's Republic of China
Description	All measurement facilities used to collect the measurement data are located at Block B, 1/F, Baisha Science and Technology Park Shahe Xi Road, Nanshan District Shenzhen, Guangdong Province, People's Republic of China

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Konec Solutions Pty Ltd
Address	Level 3, 5 Talavera Rd, Macquarie Park NSW 2113 Australia

2.2 Manufacturer Information

Manufacturer	Lumi United Technology Co., Ltd.
Address	8th Floor, JinQi Wisdom Valley, No.1 Tangling Road, Liuxian Ave, Taoyuan Residential District, Nanshan District, Shenzhen, China

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	Camera Hub G2H Pro
Model Name Under Test	CH-C01
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	X1
Software Version	V1.0.3_0006.0004
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Ancillary Equipment

Ancillary Equipment 1	USB Cable	
	Model No.	N/A
	Length (Approx.)	1.9 m

2.6 Technical Information

Network and Wireless connectivity		WI-FI, Zigbee
Interfaces present on the EUT	AC Ports	From mains to AC power adapter.
	DC Ports	From power supply to EUT, the DC port cable length is less than 3m.
	I/O Ports	USB, which cable length is less than 3m.
	Telecom Ports	No Tel ports.

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	AS/NZS CISPR 32: 2015+AMD1:2020	Electromagnetic compatibility of multimedia equipment — Emission requirements

3.2 Verdict

No.	Base Standard	Description		Test Verdict	Result	Remark
Emission						
1	CISPR 32	Radiated Emission	Below 1 GHz	Pass	ANNEX A.1	--
			Above 1 GHz	Pass		Note 1
2	CISPR 32	Conducted Emission	Mains terminals	Pass	ANNEX A.2	--
			Asymmetric mode	N/A	ANNEX A.3	Note 2
			Differential voltage	N/A	ANNEX A.4	Note 3
Note 1: The highest frequency of the internal sources of the EUT is above 108 MHz, the measurement shall be made above 1 GHz.						
Note 2: For cables longer than 3 m only.						
Note 3: For Class B broadcasting receiver only.						

3.3 Test Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement	Value
Conducted emissions (9 kHz-30 MHz)-AMN	3.22 dB
Conducted emissions (150 kHz-30 MHz)-AAN_CAT3	3.66 dB
Conducted emissions (150 kHz-30 MHz)-AAN_CAT5	4.10 dB
Conducted emissions (150 kHz-30 MHz)-AAN_CAT6	4.58 dB
Radiated emissions (30 MHz-1 GHz)-10m	4.80 dB
Radiated emissions (30 MHz-1 GHz)-966#2	4.76 dB
Radiated emissions (30 MHz-1 GHz)-966#4	4.38 dB
Radiated emissions (1 GHz-18 GHz)-10m	4.72 dB
Radiated emissions (1 GHz-18 GHz)-966#2	4.88dB
Radiated emissions (1 GHz-18 GHz)-966#4	5.04 dB

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments, Test Date and Test Engineer

Test items	Voltage	Temperature	Relative Humidity	Ambient Pressure	Test Date	Test Engineer
Radiated Emission	USB 5V	21.4°C, 23.8°C	58%, 47%	101kPa	Mar. 01, 2022	Liang Yongming , Lin Yupeng,
Conducted Emission	USB 5V	24.5°C	54%		Feb. 28, 2022	Xu Donglin

4.2 Test Equipment

Radiated Emission Test For Frequency Below 1 GHz (10 m)						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2021.10.10	2022.10.09	<input checked="" type="checkbox"/>
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2018054558	2021.10.10	2022.10.09	<input checked="" type="checkbox"/>
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2020.08.12	2023.08.11	<input checked="" type="checkbox"/>
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60* 7.35m	N/A	2021.08.15	2024.08.14	<input checked="" type="checkbox"/>
Description	Manufacturer	Name		Version		Use
Test Software	BALUN	BL410-E		V19.918		<input checked="" type="checkbox"/>

Radiated Emission Test For Frequency Below 1 GHz (3m-966#2)						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	Agilent	N9038A	MY55330120	2021.10.20	2022.10.19	<input type="checkbox"/>
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2021.10.20	2022.10.19	<input type="checkbox"/>
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-00867	2020.06.13	2023.06.12	<input type="checkbox"/>
Anechoic Chamber	YiHeng	9m*6m*6m	966#2	2021.08.19	2024.08.18	<input type="checkbox"/>
Description	Manufacturer	Name		Version		Use
Test Software	BALUN	BL410-E		V19.918		<input type="checkbox"/>

Radiated Emission Test For Frequency Below 1 GHz (3m-966#4)						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	Agilent	N9038A	MY53220118	2021.09.13	2022.09.12	<input type="checkbox"/>
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119082	2021.09.13	2022.09.12	<input type="checkbox"/>
Test Antenna- Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2021.08.20	2024.08.19	<input type="checkbox"/>
Anechoic Chamber	ChangNing	9m*6m*6m	966#4	2020.03.16	2023.03.15	<input type="checkbox"/>
Description	Manufacturer	Name		Version		Use
Test Software	BALUN	BL410-E		V19.918		<input type="checkbox"/>

Radiated Emission Test For Frequency Above 1 GHz (3m-966#2)						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	Agilent	N9038A	MY55330120	2021.10.20	2022.10.19	<input type="checkbox"/>
Amplifier (1-12GHz)	Advanced Microwave	WLA652A	1740103	2021.10.20	2022.10.19	<input type="checkbox"/>
Amplifier (0.8- 21GHz)	Mini-Circuits	ZVA-213-S+	225321316	2021.10.20	2022.10.19	<input type="checkbox"/>
Amplifier (18-40GHz)	COM-MV	KA_LNA18- 40G-01	18050001	2021.10.20	2022.10.19	<input type="checkbox"/>
Test Antenna- Horn	SCHWARZBECK	BBHA 9120D	1917	2019.07.02	2022.07.01	<input type="checkbox"/>
Anechoic Chamber	YiHeng	9m*6m*6m	966#2	2021.08.19	2024.08.18	<input type="checkbox"/>
Description	Manufacturer	Name		Version		Use
Test Software	BALUN	BL410-E		V19.918		<input type="checkbox"/>

Radiated Emission Test For Frequency Above 1 GHz (3m-966#4)						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	Agilent	N9038A	MY53220118	2021.09.13	2022.09.12	<input checked="" type="checkbox"/>
Amplifier (1-12GHz)	COM-MV	DLNAB- 1000-12000- 002	18080279	2021.09.13	2022.09.12	<input checked="" type="checkbox"/>
Amplifier (0.8-21GHz)	Mini-Circuits	ZVA-213-S+	619201336	2021.09.13	2022.09.12	<input type="checkbox"/>
Amplifier (18-40GHz)	COM-MV	KA_LNA18- 40G-01	18050001	2021.10.20	2022.10.19	<input type="checkbox"/>
Test Antenna- Horn	SCHWARZBECK	BBHA 9120D	1201	2019.07.22	2022.07.21	<input checked="" type="checkbox"/>
Anechoic Chamber	ChangNing	9m*6m*6m	966#4	2020.03.16	2023.03.15	<input checked="" type="checkbox"/>

Radiated Emission Test For Frequency Above 1 GHz (3m-966#4)						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
Description	Manufacturer	Name		Version		Use
Test Software	BALUN	BL410-E		V19.918		<input checked="" type="checkbox"/>

Conducted disturbance Test						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2021.10.10	2022.10.09	<input checked="" type="checkbox"/>
LISN	SCHWARZBECK	NSLK 8127	8127-687	2021.06.08	2022.06.07	<input checked="" type="checkbox"/>
ISN	TESEQ	ISN T800	34449	2021.11.24	2022.11.23	<input type="checkbox"/>
ISN	TESEQ	ISN T8-Cat6	53561	2021.06.01	2022.05.31	<input type="checkbox"/>
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.4m*3.1m*2.8m	N/A	2018.08.16	2022.08.15	<input checked="" type="checkbox"/>
Description	Manufacturer	Name		Version		Use
Test Software	BALUN	BL410-E		V19.918		<input checked="" type="checkbox"/>

4.3 Test Enclosure list

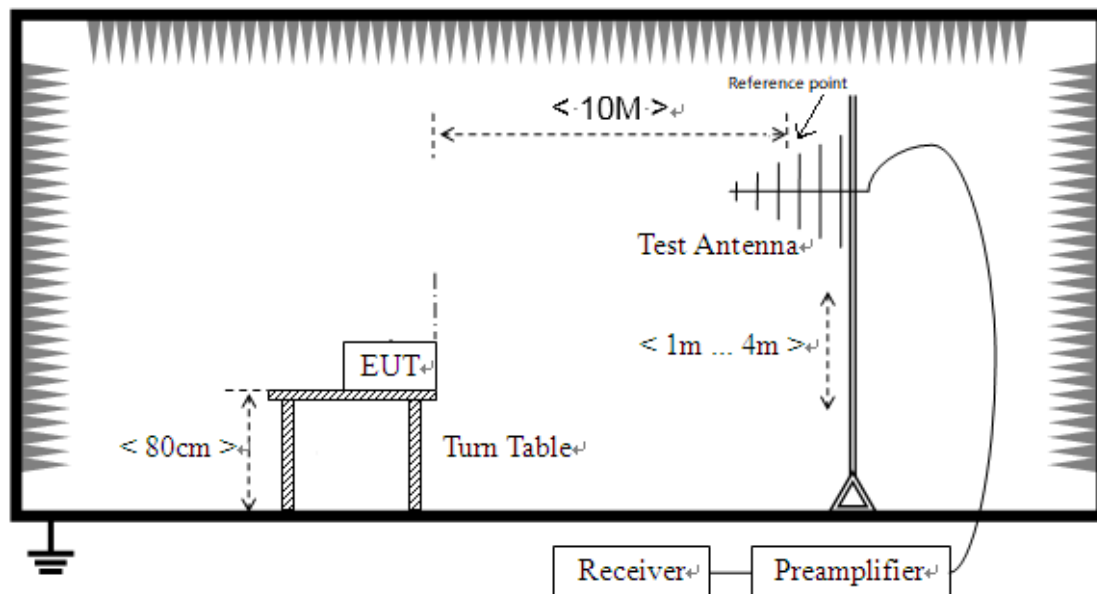
Description	Manufacturer	Model	Serial No.	Length	Description	Use
Phone	Redmi	M2003J15SC	N/A	N/A	N/A	<input checked="" type="checkbox"/>
Adapter	Realme	OP52JAEH	N/A	N/A	N/A	<input checked="" type="checkbox"/>

4.4 Test Configurations

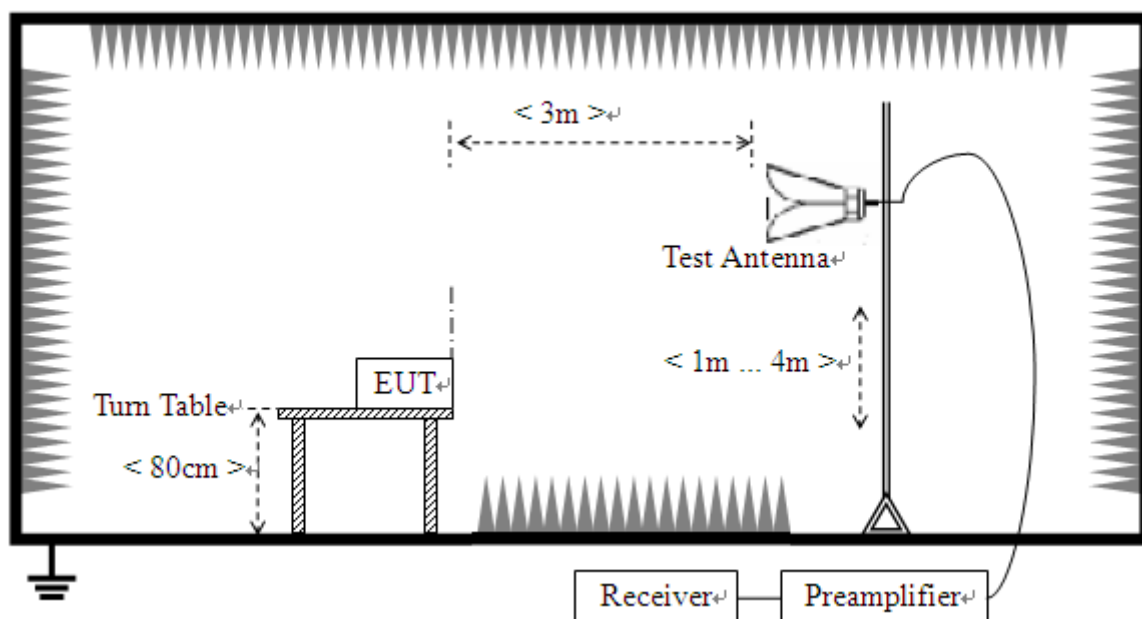
Test Configurations (TC) No.	Description
TC01	<u>The Camera Test Mode</u> EUT + TF Card + USB Cable + Adapter + Phone + WI-FI Link + Zigbee TX

4.5 Test Setups

Test Setup 1

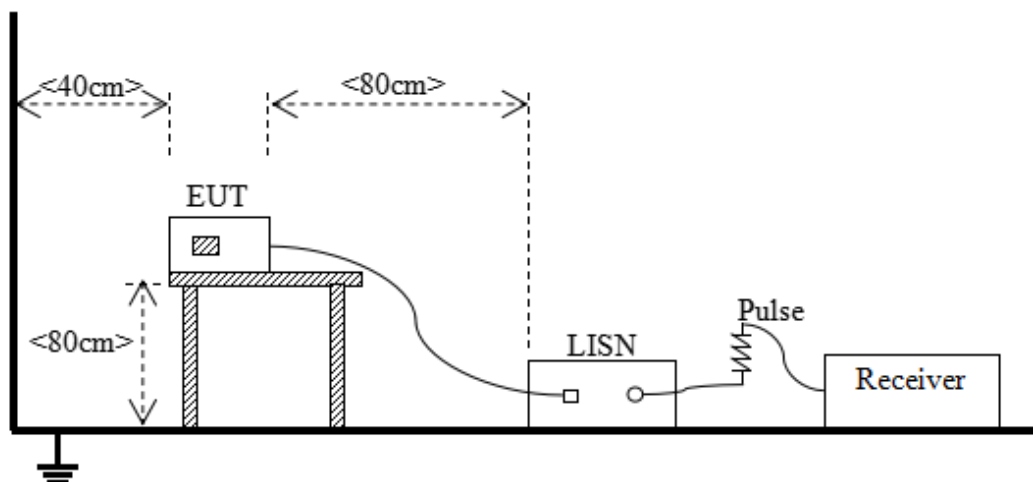


(For Radiated Emission Test (30 MHz-1 GHz))



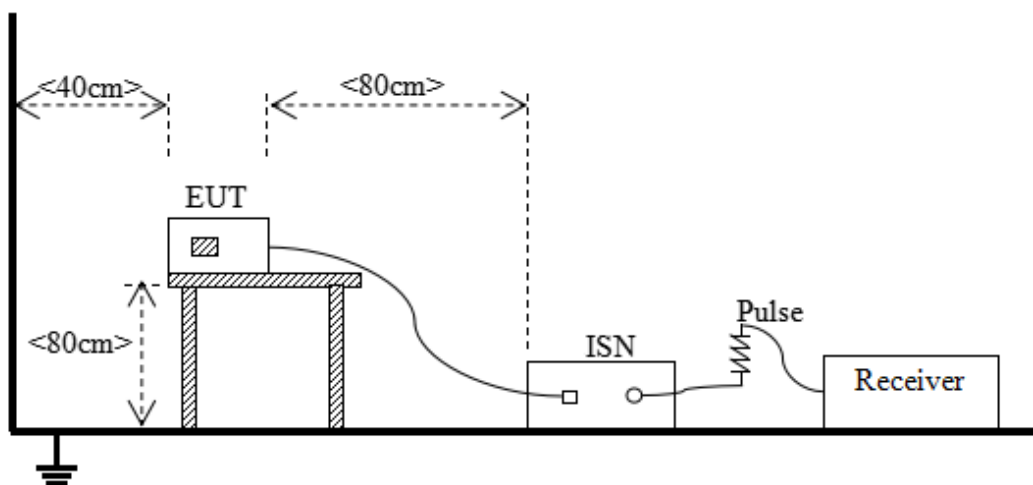
(For Radiated Emission Test (above 1 GHz))

Test Setup 2

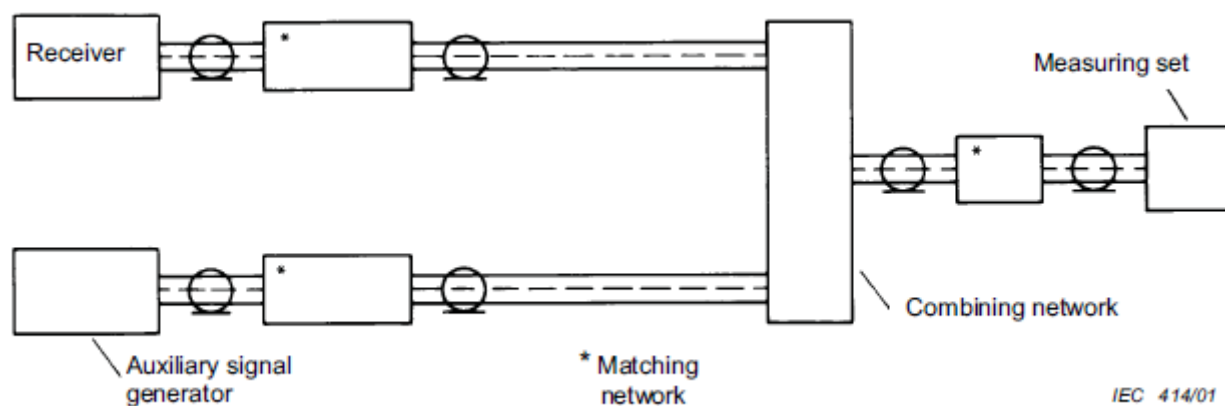


(For Conducted disturbance voltage at mains terminals Test)

Test Setup 3



(For Conducted disturbance for asymmetric mode Test)

Test Setup 4

(For Conducted differential voltage emission (TV/FM broadcast receiver tuner ports))

4.6 Test Conditions

Test Case	Test Conditions	
Radiated Emission	Test Setup	Test Setup 1
	Test Configuration	TC01 ^{Note}
Conducted disturbance voltage at mains terminals	Test Setup	Test Setup 2
	Test Configuration	TC01 ^{Note}
Note: Based on client request, all normal using modes of the normal function were tested, but only the worst test data of test mode is reported in this report. The Camera Test Mode is the worst mode in this report.		

5 TEST ITEMS

5.1 Emission Tests

5.1.1 Radiated Emission

5.1.1.1 Limit

Frequency range (MHz)	Class A (10 m)	Class A (3 m)	Class B (10 m)	Class B (3 m)
	Quasi-Peak Limit (dB μ V/m)		Quasi-Peak Limit (dB μ V/m)	
30 - 230	40	50	30	40
230 - 1000	47	57	37	47

Frequency range (MHz)	Class A (at 3 m)		Class B (at 3 m)	
	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)
1000-6000	80	60	74	54

Requirements for radiated emissions from FM receivers

Frequency range (MHz)	Measurement		Quasi-Peak Limit (dB μ V/m) Fundamental	Quasi-Peak Limit (dB μ V/m) Harmonics	Quasi-Peak Limit (dB μ V/m) Other
	Facility	Distance (m)			
30-230	OATS/SAC	10	50	42	30
230-300				42	37
300-1000				46	37
30-230	OATS/SAC	3	60	52	40
230-300				52	47
300-1000				56	47

NOTE:

- 1) The lower limit shall apply at the transition frequency.
- 2) Additional provisions may be required for cases where interference occurs.

5.1.1.2 Test Setup

Please refer to 4.5 section description of test setup of test setup 1. The photo of test setup please refer to ANNEX B.

5.1.1.3 Test Procedure

An initial pre-scan was performed in the chamber using the EMI Receiver in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by Bi-Log antenna with 2 orthogonal polarities.

5.1.1.4 Test Result

Please refer to ANNEX A.1.

5.1.2 Conducted disturbance voltage at mains terminals

5.1.2.1 Test Limit

Frequency range (MHz)	Class A		Class B	
	Quasi-peak (dB μ V)	Average (dB μ V)	Quasi-peak (dB μ V)	Average (dB μ V)
0.15 - 0.50	79	66	66-56	56-46
0.50 - 5	73	60	56	46
5 - 30	73	60	60	50

NOTE:

- 1) The lower limit shall apply at the band edges.
- 2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50 MHz.

5.1.2.2 Test Setup

Please refer to 4.5 section description of test setup of test setup 2. The photo of test setup please refer to ANNEX B.

5.1.2.3 Test Procedure

The EUT is connected to the power mains through a LISN which provides 50 Ω /50 μ H of coupling impedance for the measuring instrument. The test frequency range is from 150 kHz to 30 MHz. The maximum conducted interference is searched using Peak (PK), Quasi-peak (QP) and Average (AV) detectors; the emission levels that are more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed.

5.1.2.4 Test Result

Please refer to ANNEX A.2.

5.1.3 Conducted disturbance for asymmetric mode

5.1.3.1 Test Limit

Frequency range (MHz)	Class A		Class B	
	Quasi-peak (dB μ V)	Average (dB μ V)	Quasi-peak (dB μ V)	Average (dB μ V)
0.15 - 0.50	97-87	84-74	84-74	74-64
0.50 - 30	87	74	74	64

NOTE:

- 1) The lower limit shall apply at the band edges.
- 2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50 MHz.

5.1.3.2 Test Setup

Please refer to 4.5 section description of test setup of test setup 3. The photo of test setup please refer to ANNEX B.

5.1.3.3 Test Procedure

Measurement of common mode (asymmetric mode) current or voltage emissions at wired network ports for attachment of unscreened balanced pairs shall be performed with the wired network port connected by a cable to an AAN. The AAN shall define the common mode termination impedance seen by the wired network port during the emission measurements.

The voltage division factor shall be added to the measured voltage measured by the receiver directly at the voltage measurement port of the AAN and the result compared with the voltage limits as applicable.

5.1.3.4 Test Result

Please refer to ANNEX A.3.

5.1.4 Conducted differential voltage emission

5.1.4.1 Test Limit

Applicability	Frequency range (MHz)	Differential voltage limit @75Ω(dBuV)		
		Local Oscillator Fundamental	Local Oscillator Harmonics	Other
Television receivers; video recorders; PC TV broadcast receiver tuner cards; Digital audio receivers	30 to 950	46	46	46
	950 to 2150	54	54	46
Tuner units (not the LNB) for satellite signal reception	950 to 2150	54	54	46
FM audio receivers and PC tuner cards	30 to 300	54	50	46
	300 to 1000	54	52	46
FM car radios	30 to 300	66	59	46
	300 to 1000	66	52	46
RF modulator output ports connect to TV broadcast receiver tuner ports	30 to 950	76	46	46
	950 to 2150	N/A	54	46

5.1.4.2 Test Setup

Please refer to 4.5 section description of test setup of test setup 4. The photo of test setup please refer to ANNEX B.

5.1.4.3 Test Procedure

1. The impedance as seen from the TV/FM broadcast receiver tuner port of the EUT shall be equal to the nominal antenna input impedance for which the port has been designed. The EUT shall be tuned to the wanted signal from the AE (signal generator). The emission level shall be measured across the relevant frequency range taking into account the attenuation between the EUT TV/FM broadcast receiver tuner port and the measurement device.
2. The RF modulator output port of the EUT is connected to the input of the measuring device by means of a coaxial cable and a matching network (if necessary). The characteristic impedance of the cable shall be equal to the nominal output impedance of the EUT. The EUT shall produce an RF carrier modulated by a video signal defined. The RF output level shall be obtained by adding the insertion loss of the matching network to the indication of the measuring device (tuned to the video carrier frequency and its harmonics).

5.1.4.4 Test Result

Please refer to ANNEX A.4.

ANNEX A TEST RESULTS

A.1 Radiated Emission

Note 1: The symbol of “--” in the table which means not application.

Note 2: Measurements shall be made with a quasi-peak measuring receiver in the frequency range 30 MHz to 1000 MHz.

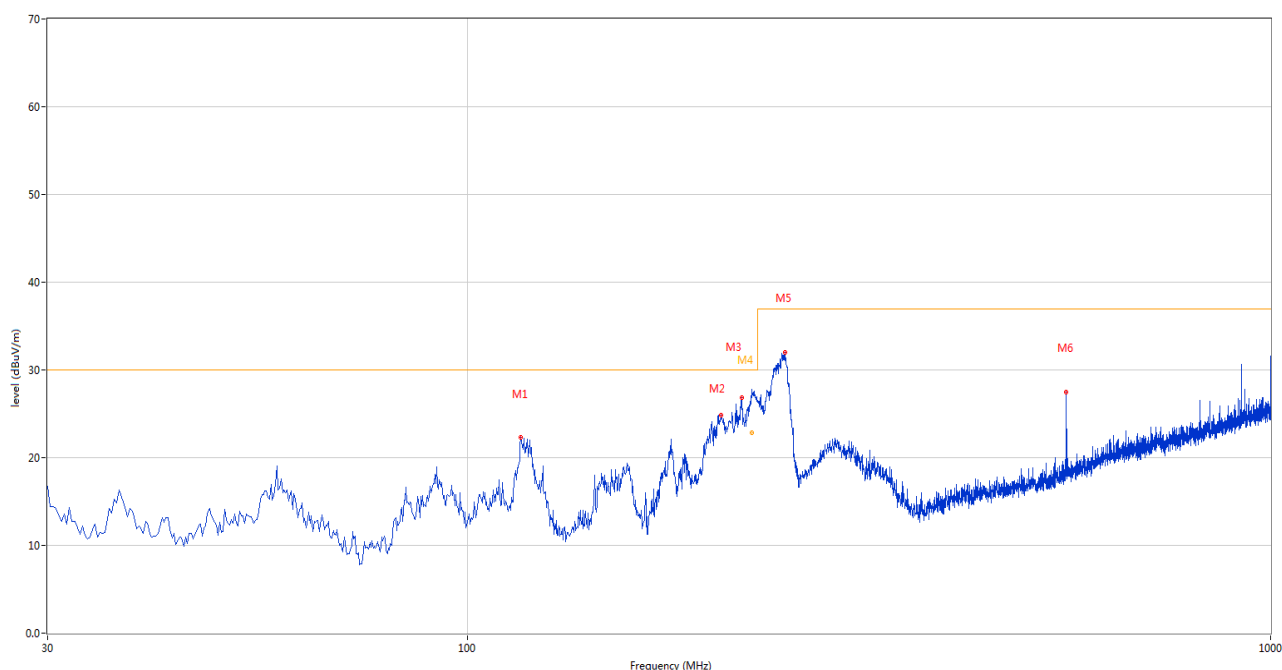
To reduce the testing time, a peak measuring receiver may be used instead of a quasi-peak measuring receiver. In case of dispute, measurement with a quasi-peak measuring receiver will take precedence.

Note 3: The marked spikes near 2400 MHz with circle should be ignored because they are Zigbee or WI-FI carrier frequency.

Test Data and Plots (Below 1 GHz)

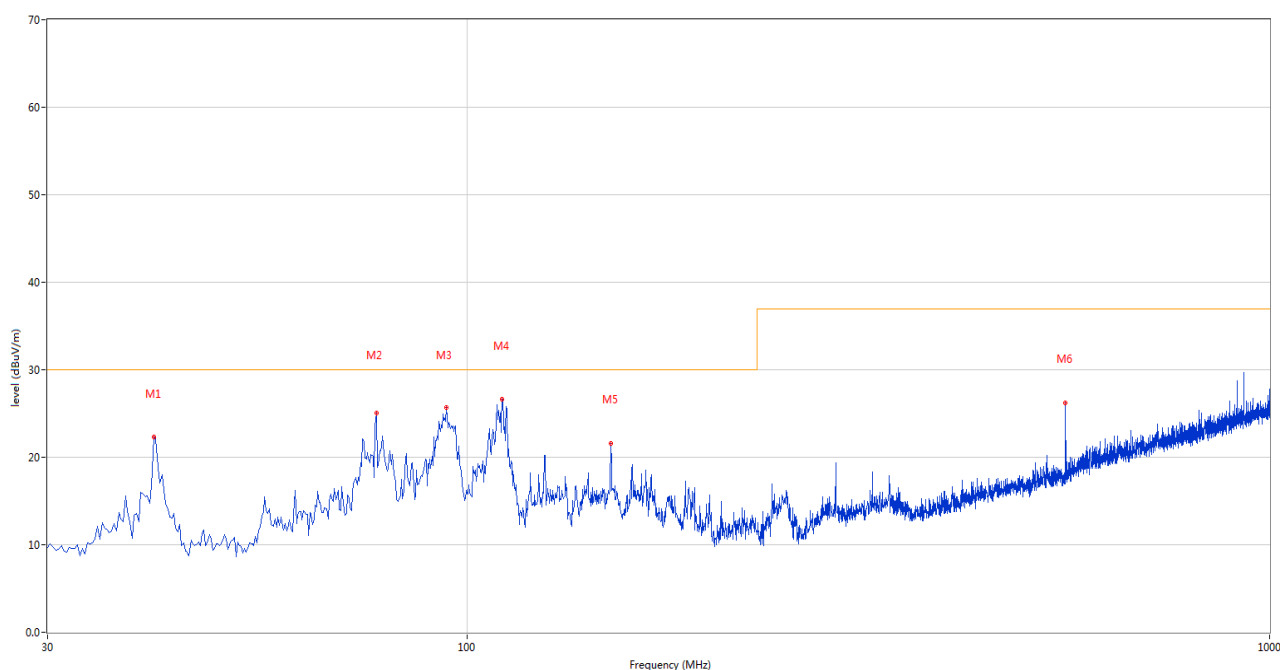
The Camera Test Mode

A.1.1 Test Antenna Vertical, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	116.551	22.28	-28.18	30.0	-7.72	Peak	171.00	100	Vertical	Pass
2	206.738	24.86	-29.19	30.0	-5.14	Peak	347.00	100	Vertical	Pass
3	219.345	26.85	-28.44	30.0	-3.15	Peak	257.00	100	Vertical	Pass
4	225.891	26.00	-28.06	30.0	-4.00	Peak	237.00	104	Vertical	N/A
4*	225.891	22.83	-28.06	30.0	-7.17	QP	237.00	104	Vertical	Pass
5	248.438	32.03	-27.28	37.0	-4.97	Peak	237.00	100	Vertical	Pass
6	556.821	27.51	-18.92	37.0	-9.49	Peak	206.00	100	Vertical	Pass

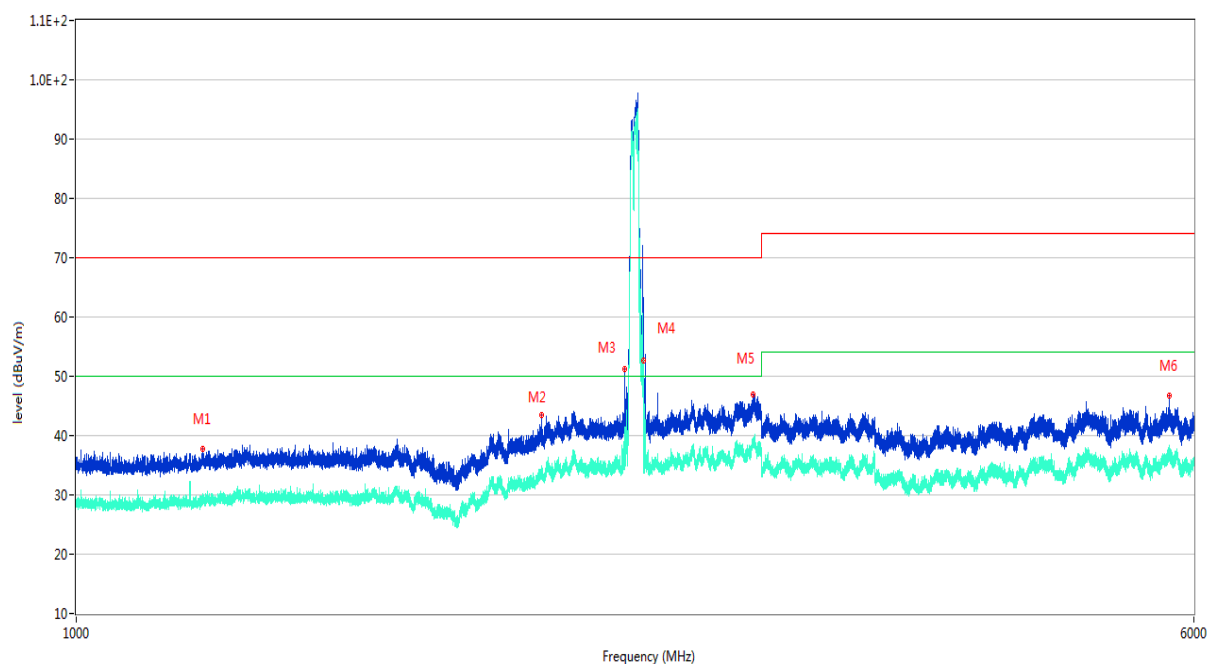
A.1.2 Test Antenna Horizontal, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	40.667	22.29	-26.62	30.0	-7.71	Peak	287.00	200	Horizontal	Pass
2	77.033	25.01	-30.63	30.0	-4.99	Peak	0.00	200	Horizontal	Pass
3	94.246	25.64	-30.46	30.0	-4.36	Peak	145.00	200	Horizontal	Pass
4	110.490	26.39	-28.83	30.0	-3.61	Peak	0.00	200	Horizontal	Pass
5	150.977	21.62	-25.61	30.0	-8.38	Peak	50.00	200	Horizontal	Pass
6	556.821	26.23	-18.92	37.0	-10.77	Peak	359.00	200	Horizontal	Pass

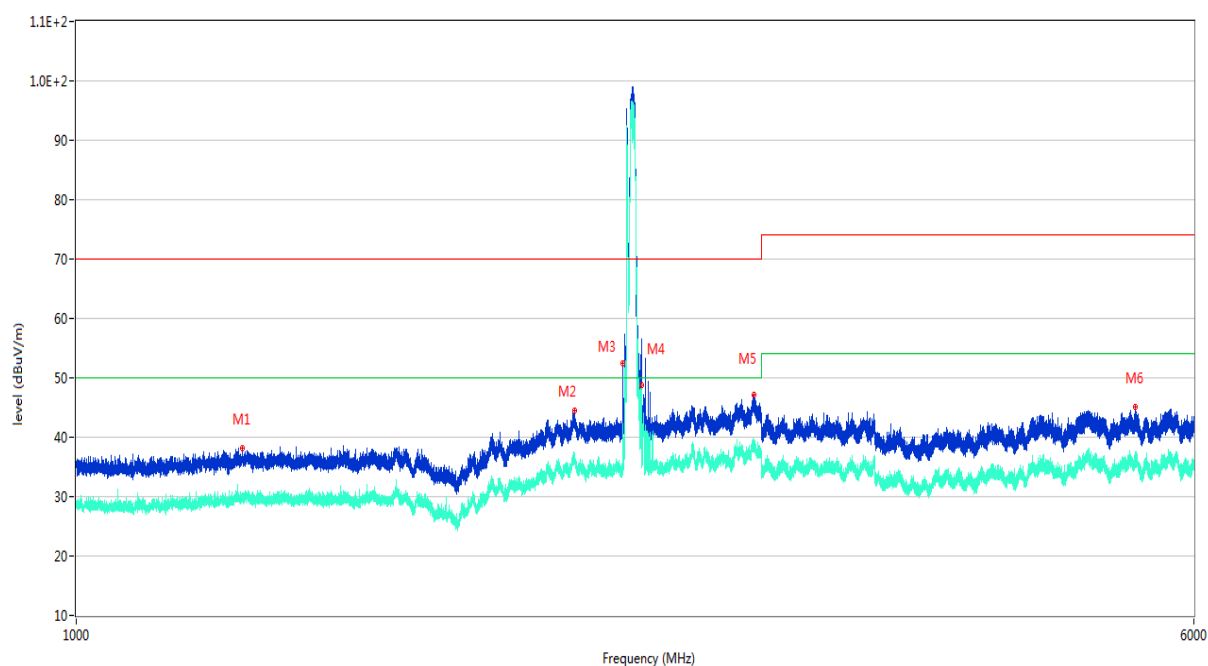
Test Data and Plots (Above 1 GHz)

A.1.3 Test Antenna Vertical, 1 GHz – 6 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1224.800	37.84	-15.48	70.0	-32.16	Peak	120.00	100	Vertical	Pass
1**	1224.800	28.75	-15.48	50.0	-21.25	AV	120.00	100	Vertical	Pass
2	2107.200	43.50	-11.36	70.0	-26.50	Peak	287.20	100	Vertical	Pass
2**	2107.200	33.79	-11.36	50.0	-16.21	AV	287.20	100	Vertical	Pass
3	2409.300	51.24	-8.82	70.0	-18.76	Peak	31.40	100	Vertical	N/A
3**	2409.300	35.75	-8.82	50.0	-14.25	AV	31.40	100	Vertical	N/A
4	2482.800	56.95	-9.74	70.0	-13.05	Peak	358.20	100	Vertical	N/A
4**	2482.800	52.68	-9.74	50.0	2.68	AV	358.20	100	Vertical	N/A
5	2960.200	46.94	-4.77	70.0	-23.06	Peak	324.60	100	Vertical	Pass
5**	2960.200	39.20	-4.77	50.0	-10.80	AV	324.60	100	Vertical	Pass
6	5766.750	46.72	-2.86	74.0	-27.28	Peak	171.80	100	Vertical	Pass
6**	5766.750	36.02	-2.86	54.0	-17.98	AV	171.80	100	Vertical	Pass

A.1.4 Test Antenna Horizontal, 1 GHz – 6 GHz



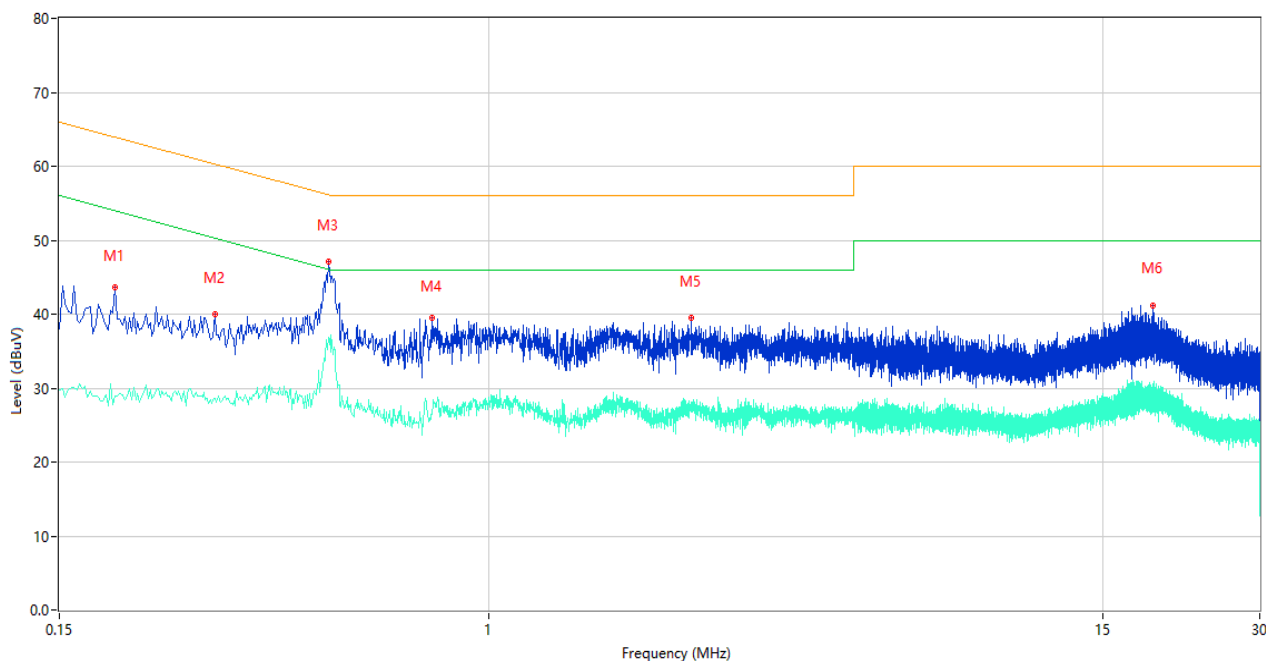
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1305.400	38.18	-15.18	70.0	-31.82	Peak	331.80	100	Horizontal	Pass
1**	1305.400	29.87	-15.18	50.0	-20.13	AV	331.80	100	Horizontal	Pass
2	2222.300	44.44	-8.41	70.0	-25.56	Peak	234.70	100	Horizontal	Pass
2**	2222.300	37.13	-8.41	50.0	-12.87	AV	234.70	100	Horizontal	Pass
3	2400.300	52.44	-9.46	70.0	-17.56	Peak	1.20	100	Horizontal	N/A
3**	2400.300	34.14	-9.46	50.0	-15.86	AV	1.20	100	Horizontal	N/A
4	2474.700	51.91	-9.86	70.0	-18.09	Peak	244.30	100	Horizontal	N/A
4**	2474.700	48.73	-9.86	50.0	-1.27	AV	244.30	100	Horizontal	N/A
5	2965.400	47.04	-5.37	70.0	-22.96	Peak	82.50	100	Horizontal	Pass
5**	2965.400	38.42	-5.37	50.0	-11.58	AV	82.50	100	Horizontal	Pass
6	5461.800	45.01	-3.65	74.0	-28.99	Peak	347.70	100	Horizontal	Pass
6**	5461.800	35.84	-3.65	54.0	-18.16	AV	347.70	100	Horizontal	Pass

A.2 Conducted disturbance voltage at mains terminals Test

Test Data and Plots

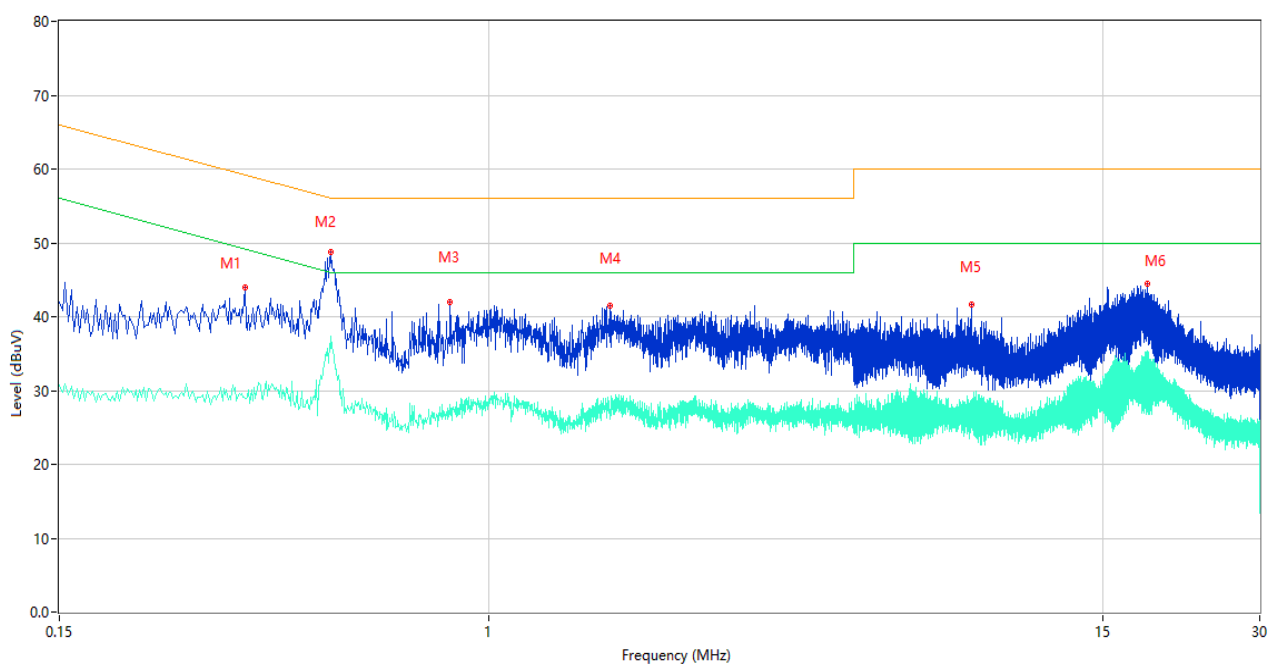
The Camera Test Mode

A.2.1 L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.192	43.57	10.96	63.95	-20.38	Peak	L	Pass
1**	0.192	28.84	10.96	53.95	-25.11	AV	L	Pass
2	0.298	39.94	10.88	60.30	-20.36	Peak	L	Pass
2**	0.298	28.60	10.88	50.30	-21.70	AV	L	Pass
3	0.492	47.12	10.92	56.13	-9.01	Peak	L	Pass
3**	0.492	36.91	10.92	46.13	-9.22	AV	L	Pass
4	0.778	39.50	10.80	56.00	-16.50	Peak	L	Pass
4**	0.778	26.87	10.80	46.00	-19.13	AV	L	Pass
5	2.436	39.57	10.73	56.00	-16.43	Peak	L	Pass
5**	2.436	27.41	10.73	46.00	-18.59	AV	L	Pass
6	18.684	41.09	10.69	60.00	-18.91	Peak	L	Pass
6**	18.684	30.34	10.69	50.00	-19.66	AV	L	Pass

A.2.2 N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.340	43.92	10.89	59.20	-15.28	Peak	N	Pass
1**	0.340	28.97	10.89	49.20	-20.23	AV	N	Pass
2	0.498	48.69	10.92	56.03	-7.34	Peak	N	Pass
2**	0.498	37.43	10.92	46.03	-8.60	AV	N	Pass
3	0.842	41.95	10.77	56.00	-14.05	Peak	N	Pass
3**	0.842	28.09	10.77	46.00	-17.91	AV	N	Pass
4	1.702	41.53	10.74	56.00	-14.47	Peak	N	Pass
4**	1.702	26.19	10.74	46.00	-19.81	AV	N	Pass
5	8.424	41.57	10.65	60.00	-18.43	Peak	N	Pass
5**	8.424	25.44	10.65	50.00	-24.56	AV	N	Pass
6	18.312	44.43	10.68	60.00	-15.57	Peak	N	Pass
6**	18.312	28.02	10.68	50.00	-21.98	AV	N	Pass

A.3 Conducted disturbance for asymmetric mode

Note: Not applicable.

A.4 Conducted differential voltage emission

Note: Not applicable.

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2220598-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2220598-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2220598-AI.PDF”.

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--END OF REPORT--